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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,007	10/652,007 08/29/2003		Sheldon Aronowitz	00-643/1D	9888
24319	7590	02/23/2005		EXAMINER	
		ORATION	GROUP, KARL E		
1621 BAR MS: D-106		E		ART UNIT	PAPER NUMBER
MILPITAS	S, CA 950	035	•	1755	<u> </u>
				DATE MAILED: 02/23/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/652,007	ARONOWITZ ET AL	
Office Action Summary	Examiner	Art Unit	
	Karl E. Group	1755	
The MAILING DATE of this communicate eriod for Reply	ion appears on the cover sheet wi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communic - If the period for reply specified above is less than thirty (30) da - If NO period for reply is specified above, the maximum statutor - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. 'CFR 1.136(a). In no event, however, may a reation. ys, a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MON by statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
tatus			
1) Responsive to communication(s) filed o	n	٠	
• — •	This action is non-final.		
3) Since this application is in condition for	allowance except for formal matte	ers, prosecution as to the merits is	
closed in accordance with the practice i	ınder <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.	
isposition of Claims			
4)⊠ Claim(s) <u>36-49</u> is/are pending in the ap	olication.		
4a) Of the above claim(s) is/are v			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>36-49</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction	n and/or election requirement.		
pplication Papers			
9)☐ The specification is objected to by the E	xaminer.		
10) The drawing(s) filed on is/are: a)	accepted or b) objected to	by the Examiner.	
Applicant may not request that any objection	n to the drawing(s) be held in abeyar	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the		• • • • • • • • • • • • • • • • • • • •	
11) The oath or declaration is objected to by	the Examiner. Note the attached	d Office Action or form PTO-152.	
riority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for	foreign priority under 35 U.S.C. §	3 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority do			
2. Certified copies of the priority do			
3. Copies of the certified copies of t	· ·	received in this National Stage	
application from the International			
* See the attached detailed Office action for	or a list of the certified copies not	received.	
ttachment(s)			
Notice of References Cited (PTO-892)	4) Interview S	Summary (PTO	
) 🔲 Notice of Draftsperson's Patent Drawing Review (PTO-	948) Paper No(s	s)/Mai Patent Application (PTO-152)	
	O/SB/08) 5) ∐ Noti	- •	
 Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date 8-29-03, 10-20-03. 			-

Art Unit: 1755

Priority

1. If applicant desires priority under 35 U.S.C. 120 or 121 based upon a previously filed application, specific reference to the earlier filed application must be made in the instant application. For benefit claims under 35 U.S.C. 120, 121 or 365(c), the reference must include the relationship (i.e., continuation, divisional, or continuation-in-part) of the applications. This should appear as the first sentence of the specification following the title, preferably as a separate paragraph unless it appears in an application data sheet. The status of nonprovisional parent application(s) (whether patented or abandoned) should also be included. If a parent application has become a patent, the expression "now Patent No. ______" should follow the filing date of the parent application. If a parent application has become abandoned, the expression "now abandoned" should follow the filing date of the parent application.

If the application is a utility or plant application filed under 35 U.S.C. 111(a) on or after November 29, 2000, the specific reference must be submitted during the pendency of the application and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior application. If the application is a utility or plant application which entered the national stage from an international application filed on or after November 29, 2000, after compliance with 35 U.S.C. 371, the specific reference must be submitted during the pendency of the application and within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) or sixteen months from the filing date of the prior application. See 37 CFR 1.78(a)(2)(ii) and (a)(5)(ii). This time period is not

Art Unit: 1755

extendable and a failure to submit the reference required by 35 U.S.C. 119(e) and/or 120, where applicable, within this time period is considered a waiver of any benefit of such prior application(s) under 35 U.S.C. 119(e), 120, 121 and 365(c). A priority claim filed after the required time period may be accepted if it is accompanied by a grantable petition to accept an unintentionally delayed claim for priority under 35 U.S.C. 119(e), 120, 121 and 365(c). The petition must be accompanied by (1) the reference required by 35 U.S.C. 120 or 119(e) and 37 CFR 1.78(a)(2) or (a)(5) to the prior application (unless previously submitted), (2) a surcharge under 37 CFR 1.17(t), and (3) a statement that the entire delay between the date the claim was due under 37 CFR 1.78(a)(2) or (a)(5) and the date the claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional. The petition should be addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

2. The continuing data must also include the current status of the parent application.

Specification

3. The disclosure is objected to because of the following informalities: The specification must be amended to include the serial No.s or patent No.s of the related applications.

Appropriate correction is required.

Art Unit: 1755

Claim Rejections - 35 USC § 112

4. Claims 36-49 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The terminology "low dielectric constant" is considered to be relative terminology and therefor the meets and bounds of the claims cannot be determined. It is not clear what dielectric constants are encompassed by the claims, therefor the claims are considered indefinite.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Art Unit: 1755

7. Claims 36-49 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Musaka et al (5,571,571), Qian et al (5,571,576), Matsuzawa (6,000,339), EP 517548, Japanese document 09-008031, 9-8031, and 8-218170, each document taken alone.

Each of the documents teach silicon dioxide containing materials including carbon and fluorine.

"The patentability of a product does not depend upon its method of production. If the product in [a] product-by-process claim is the same as or obvious from a product of the prior art, [then] the claim is unpatentable even though the prior [art] product was made by a different process." In re Thorpe, 227 USPQ 964, 966 (Fed. Cir. 1985) (citations omitted). Once the examiner provides a rationale tending to show that the claimed product appears to be the same or similar to that of the prior art, although produced by a different process, the burden shifts to applicant to come forward with evidence establishing an unobvious difference between the claimed product and the prior art product. In re Marosi, 218 USPQ 289, 292 (Fed. Cir. 1983).

8. Claims 36-49 are rejected under 35 U.S.C. 102(a or e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Lee et al (6,043,167), Moghadam et al (6,413,583) and Yieh et al (6,121,164), each taken alone.

Each of the documents teach silicon dioxide containing materials including carbon and fluorine.

"The patentability of a product does not depend upon its method of production. If the product in [a] product-by-process claim is the same as or obvious from a product of the prior art, [then] the claim is unpatentable even though the prior [art] product was made by a different process." In re Thorpe, 227 USPQ 964, 966 (Fed. Cir. 1985) (citations omitted). Once the examiner provides a rationale tending to show that the claimed product appears to be the same or similar to that of the prior art, although produced by a different process, the burden shifts to applicant to come forward with evidence establishing an unobvious difference between the claimed product and the prior art product. In re Marosi, 218 USPQ 289, 292 (Fed. Cir. 1983).

Art Unit: 1755

Claims 36-49 are rejected under 35 U.S.C. 102(e) as being anticipated by 9. Sukharev et al (6,365,528)

The applied reference has a common Assignee and inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Any inquiry concerning this communication or earlier communications from the 10. examiner should be directed to Karl E. Group whose telephone number is 571-272-1368. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor. Dave Sample can be reached on 571-272-1376. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> ∕Karr É Grórúp Primary Examiner

Art Unit 1/755

Keg 2-18-05